## SABA
**SHORT-ACTING BETA-2 AGONIST**

**ProAir HFA** Ⓖ 4+
METERED DOSE (200 inhalations)
Albuterol

**ProAir Respiclick** 4+
DRY POWDER (200 inhalations)
Albuterol

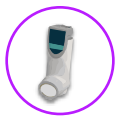
**ProAir Digihaler** 4+
DRY POWDER (200 inhalations)
Albuterol

**Proventil HFA** Ⓖ 4+
METERED DOSE (200 inhalations)
Albuterol

**Ventolin HFA** Ⓖ 4+
METERED DOSE (200 inhalations)
Albuterol

**Xopenex HFA** Ⓖ 4+
METERED DOSE (200 inhalations)
Levalbuterol

## SABA + ICS
**COMBINATION**



**Airsupra** 18+
METERED DOSE (120 inhalations)
Albuterol/Budesonide

## SAMA
**SHORT-ACTING MUSCARINIC ANTAGONIST**

**Atrovent HFA** C
METERED DOSE (200 inhalations)
Ipratropium

## SAMA + SABA
**COMBINATION**

**Combivent Respimat** C
SOFT MIST (120 inhalations)
Ipratropium/Albuterol

## LABA
**LONG-ACTING BETA-2 AGONIST**

**Serevent Diskus** 4+ 4+ C
DRY POWDER (60 inhalations)
Salmeterol

**Striverdi Respimat** C
SOFT MIST (60 inhalations)
Olodaterol

## LAMA
**LONG-ACTING MUSCARINIC ANTAGONIST**

**Incruse Ellipta** C
DRY POWDER (30 inhalations)
Umeclidinium

**Spiriva Handihaler** C
DRY POWDER (30 doses [2 inhalations/capsule])
Tiotropium

**Spiriva Respimat** 6+ C
SOFT MIST (60 inhalations)
Tiotropium

**Tudorza Pressair** C
DRY POWDER (60 inhalations)
Aclidinium

## LAMA + LABA
**COMBINATION**

**Anoro Ellipta** C
DRY POWDER (30 inhalations)
Umeclidinium/Vilanterol

**Bevespi Aerosphere** C
METERED DOSE (120 inhalations)
Glycopyrrolate/Formoterol

**Duaklir Pressair** C
DRY POWDER (60 inhalations)
Aclidinium/Formoterol

**Stiolto Respimat** C
SOFT MIST (60 inhalations)
Tiotropium/Olodaterol

## ICS + LAMA + LABA
**COMBINATION**

**Breztri Aerosphere** C
METERED DOSE (120 inhalations)
Budesonide/Glycopyrrolate/Formoterol

**Trelegy Ellipta** 18+ C
DRY POWDER (30 inhalations)
Fluticasone furoate/Umeclidinium/Vilanterol

## ICS
**INHALED CORTICOSTEROID**

**Alvesco** 12+
METERED DOSE (60 inhalations)
Ciclesonide

**ArmonAir Digihaler** 12+
DRY POWDER (60 inhalations)
Fluticasone propionate

**Arnuity Ellipta** 5+
DRY POWDER (30 inhalations)
Fluticasone furoate

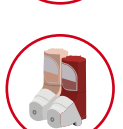
**Asmanex Twisthaler** 4+
DRY POWDER (110 mcg: 30 inhalations)
(220 mcg: 120 inhalations)
Mometasone

**Asmanex HFA** 5+
METERED DOSE (120 inhalations)
Mometasone

**Flovent Diskus** *Brand discontinued; Authorized generic available* 4+
DRY POWDER (60 inhalations)
Fluticasone propionate

**Flovent HFA** *Brand discontinued; Authorized generic available* 4+
METERED DOSE (120 inhalations)
Fluticasone propionate

**Pulmicort Flexhaler** 6+
DRY POWDER (90 mcg: 60 inhalations)
(180 mcg: 120 inhalations)
Budesonide



**QVAR RediHaler** 4+
METERED DOSE (120 inhalations)
Beclomethasone

## ICS + LABA
**COMBINATION**

**Advair Diskus** Ⓖ 4+ C
DRY POWDER (60 inhalations)
Fluticasone prop./Salmeterol

**Advair HFA** Ⓖ 12+
METERED DOSE (120 inhalations)
Fluticasone prop./Salmeterol

**AirDuo RespiClick** Ⓖ 12+
DRY POWDER (60 inhalations)
Fluticasone prop./Salmeterol

**AirDuo Digihaler** 12+
DRY POWDER (60 inhalations)
Fluticasone prop./Salmeterol

**Breo Ellipta** 5+ C
DRY POWDER (30 inhalations)
Fluticasone furoate/Vilanterol

**Breyna** *Generic for Symbicort* 6+ C
METERED DOSE (120 inhalations)
Budesonide/Formoterol

**Dulera** 5+
METERED DOSE (120 inhalations)
Mometasone/Formoterol

**Symbicort** Ⓖ 6+ C
METERED DOSE (120 inhalations)
Budesonide/Formoterol

**Wixela Inhub** *Generic for Advair Diskus* 4+ C
DRY POWDER (60 inhalations)
Fluticasone prop./Salmeterol

**FDA-APPROVED INDICATIONS*** # = Age (years) approved for asthma # = Age (years) approved for bronchospasms C = Approved for COPD

**Updated 1/2024**

**SABAs are FDA-approved for bronchospasms in reversible obstructive airway diseases and exercised-induced bronchospasm (EIB), except Xopenex (levalbuterol) is not indicated for EIB; Airsupra (albuterol/budesonide) is indicated as-needed for bronchoconstriction and to reduce the risk of exacerbations in asthma; Serevent Diskus (salmeterol) is indicated for EIB, asthma (in addition to an ICS), and COPD. Indications and evidence for individual agents are subject to change and geographic variability.*

Ⓖ Authorized generic available

Ⓖ Both authorized generic and branded generic available

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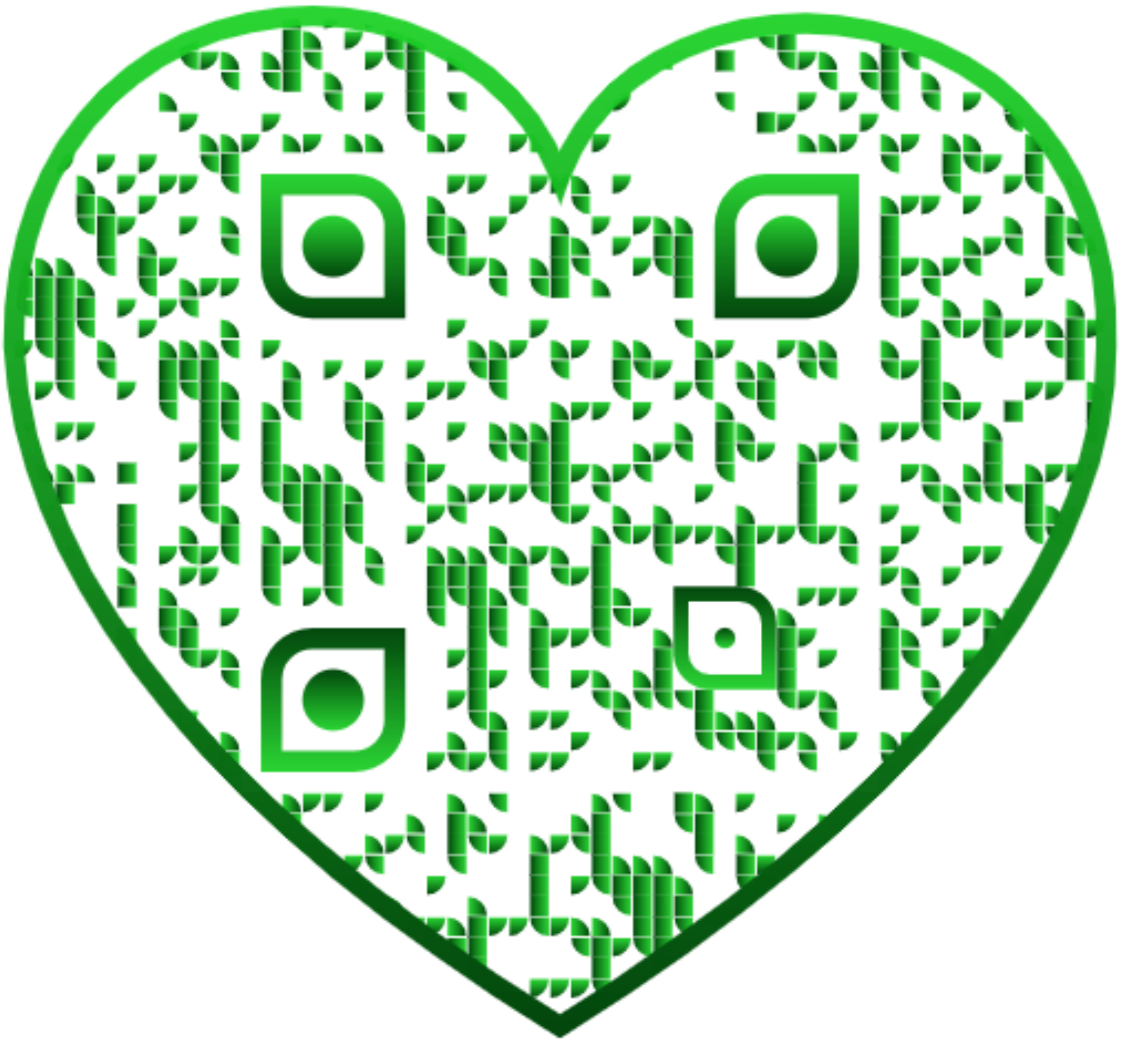

**FDA-APPROVED INDICATIONS*** # = Age (years) approved for asthma # = Age (years) approved for bronchospasms C = Approved for COPD **Updated 12/2023**

**SABAs are FDA-approved for bronchospasms in reversible obstructive airway diseases and exercised-induced bronchospasm (EIB), except Xopenex (levalbuterol), which is not indicated for EIB; Airsupra (albuterol/budesonide) is indicated as-needed for bronchoconstriction and to reduce the risk of exacerbations in asthma; Serevent Diskus (salmeterol) is indicated for EIB, asthma (in addition to an ICS), and COPD. Indications and evidence are subject to change and geographic variability.*

**Aclidinium**
Long-Acting Muscarinic Antagonist
TUDORZA PRESSAIR™ C
*400 mcg*

**Aclidinium/Formoterol**
Long-Acting Muscarinic Antagonist/
Long-Acting Beta-2 Agonist
DUAKLIR PRESSAIR® C
*400/12 mcg*

**Albuterol**
Short-Acting Beta-2 Agonist
PROAIR®, PROVENTIL®, VENTOLIN® 4+
*90 mcg*
*Authorized generics available*

**Albuterol/Budesonide**
Short-Acting Beta-2 Agonist/
Inhaled Corticosteroid
AIRSUPRA™ 18+
*90/80 mcg*

**Beclomethasone**
Inhaled Corticosteroid
QVAR REDIHALER® 4+
*40, 80 mcg*

**Budesonide**
Inhaled Corticosteroid
PULMICORT FLEXHALER® 6+
*90, 180 mcg*

**Budesonide/Formoterol**
Inhaled Corticosteroid/
Long-Acting Beta-2 Agonist
SYMBICORT® 6+ C
*80/4.5, 160/4.5 mcg*
*Generics: Both an authorized generic and Breyna available*

**Budesonide/Glycopyrrolate/Formoterol**
Inhaled Corticosteroid/
Long-Acting Muscarinic Antagonist/Long-Acting Beta-2 Agonist
BREZTRI AEROSPHERE™ C
*160/9/4.8 mcg*

**Ciclesonide**
Inhaled Corticosteroid
ALVESCO® 12+
*80, 160 mcg*

**Fluticasone furoate**
Inhaled Corticosteroid
ARNUITY ELLIPTA® 5+
*50, 100, 200 mcg*

**Fluticasone propionate**
Inhaled Corticosteroid
ARMONAIR DIGIHALER® 12+
*55, 113, 232 mcg*
FLOVENT DISKUS® 4+
*50, 100, 250 mcg*
FLOVENT® HFA 4+
*44, 110, 220 mcg*
*Flovent products are not available; Only their authorized generics are available*

**Fluticasone/Salmeterol**
Inhaled Corticosteroid/
Long-Acting Beta-2 Agonist
AIRDUO® [RespiClick/Digihaler] 12+
*55/14, 113/14, 232/14 mcg*
ADVAIR DISKUS® 4+ C
*100/50, 250/50, 500/50 mcg*
ADVAIR® HFA 12+
*45/21, 115/21, 230/21 mcg*
*Advair HFA, AirDuo: Authorized generics available*
*Advair Diskus: Both an authorized generic and Wixela Inhub available*

**Fluticasone/Umeclidinium/Vilanterol**
Inhaled Corticosteroid/
Long-Acting Muscarinic Antagonist/Long-Acting Beta-2 Agonist
TRELEGY ELLIPTA® 18+ C
*100/62.5/25 mcg*
*200/62.5/25 mcg*

**Fluticasone/Vilanterol**
Inhaled Corticosteroid/
Long-Acting Beta-2 Agonist
BREO ELLIPTA® 5+ C
*50/25, 100/25, 200/25 mcg*

**Glycopyrrolate/Formoterol**
Long-Acting Muscarinic Antagonist/
Long-Acting Beta-2 Agonist
BEVESPI AEROSPHERE® C
*9/4.8 mcg*

**Ipratropium**
Short-Acting Muscarinic Antagonist
ATROVENT® HFA C
*~17 mcg*

**Ipratropium/Albuterol**
Short-Acting Muscarinic Antagonist/
Short-Acting Beta-2 Agonist
COMBIVENT RESPIMAT® C
*20/100 mcg*

**Levalbuterol**
Short-Acting Beta-2 Agonist
Xopenex® 4+
*45 mcg*
*Authorized generic available*

**Mometasone**
Inhaled Corticosteroid
ASMANEX TWISTHALER® 4+
*110, 220 mcg*
ASMANEX® HFA 5+
*50, 100, 200 mcg*

**Mometasone/Formoterol**
Inhaled Corticosteroid/
Long-Acting Beta-2 Agonist
DULERA® 5+
*50/5, 100/5, 200/5 mcg*

**Olodaterol**
Long-Acting Beta-2 Agonist
STRIVERDI RESPIMAT® C
*2.5 mcg*

**Salmeterol**
Long-Acting Beta-2 Agonist
SEREVENT DISKUS® 4+ 4+ C
*50 mcg*

**Tiotropium**
Long-Acting Muscarinic Antagonist
SPIRIVA HANDIHALER® C
*18 mcg*
SPIRIVA RESPIMAT® 6+ C
*1.25, 2.5 mcg*

**Tiotropium/Olodaterol**
Long-Acting Muscarinic Antagonist/
Long-Acting Beta-2 Agonist
STIOLTO RESPIMAT® C
*2.5/2.5 mcg*

**Umeclidinium**
Long-Acting Muscarinic Antagonist
INCRUSE ELLIPTA® C
*62.5 mcg*

**Umeclidinium/Vilanterol**
Long-Acting Muscarinic Antagonist/
Long-Acting Beta-2 Agonist
ANORO ELLIPTA® C
*62.5/25 mcg*

## ICS DAILY DOSE CATEGORIZATION
IN ADULTS AND CHILDREN AGE 6 YEARS AND UP

| ICS (DELIVERY) | TOTAL DAILY DOSE (MCG/DAY) | | | |
|---|---|---|---|---|
| | Age | Low | Medium | High |
| **Beclomethasone** (MDI) | 12+ years | 100-200 | >200-400 | >400 |
| | 6-11 years | 50-100 | >100-200 | >200 |
| **Budesonide** (DPI) | 12+ years | 200-400 | >400-800 | >800 |
| | 6-11 years | 100-200 | >200-400 | >400 |
| **Ciclesonide** (MDI) | 12+ years | 80-160 | >160-320 | >320 |
| | 6-11 years | 80 | >80-160 | >160 |
| **Fluticasone furoate** (DPI) | 12+ years | 100 | 100 | 200 |
| | 6-11 years | 50 | 50 | N/A |
| **Fluticasone prop.** (DPI) | 12+ years | 100-250 | >250-500 | >500 |
| | 6-11 years | 50-100 | >100-200 | >200 |
| **Fluticasone prop.** (MDI) | 12+ years | 100-250 | >250-500 | >500 |
| | 6-11 years | 50-100 | >100-200 | >200 |
| **Mometasone** (DPI) | 12+ years | 200 | 200 | 400 |
| | 6-11 years | N/A | N/A | N/A |
| **Mometasone** (MDI) | 12+ years | 200-400 | 200-400 | >400 |
| | 6-11 years | 100 | 100 | 200 |

## ICS DAILY LOW DOSE CATEGORIZATION
IN CHILDREN AGE 5 YEARS AND YOUNGER

| ICS (DELIVERY) | LOW TOTAL DAILY DOSE (MCG/DAY) (Age group with adequate safety & efficacy data) |
|---|---|
| **Beclomethasone** (MDI) | **50** (ages 5+ years) |
| **Budesonide** (nebulized) | **500** (ages 1+ years) |
| **Ciclesonide** (MDI) | **Not sufficiently studied in age 5 and under** |
| **Fluticasone furoate** (DPI) | **50** (ages 5+ years) |
| **Fluticasone prop.** (MDI) | **50** (ages 4+ years) |
| **Mometasone** (MDI) | **100** (ages 5+ years) |

**References:** 2023 GINA Report: Global Strategy for Asthma Management and Prevention, FDA Prescribing Information for the individual medications.

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